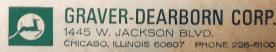
STA. 195 DATA CONTROL STA. MAINTENANCE COMM, DIV. 12-19-72

GD 346





12-19-72 hested spore computer cards from sta. 108, ac. L. 12-20-72 Tested space computes carde from sla. 108. The computer would bomb then the room temperature would go above approx. 72-740. so I run test to look for the peoblem. Found 2 connectes ping on card H-10 on the mainfrance were widely sport aport. D.C.L. 12-21-72 - Ren some more test on the high room temperature bomb out of the computer, also shed all the conjuster couds for connecter pins that were swidely spored apart and repaired. The computer would run good up to approx. 87-88. AC.L. 12-26-72 - Mode a absolute mainframe exercises tope # 303001 B and a absolute Inst. Diran, + Comp. tape # 303002 B. also run the Interface diagnostic communication test lock to back,

1-25-73 Cleaned all air filtes. Run the Communication test program and chef RFL levels and fregs. It. L. 2-27-73 Chicago waint always receiving a signal from STA. 195, Rin the commen. Test peoplan and chel RFL level and freque. The curries freq. was 1696 and the BF occ. was 28.2998 Mc. Rest to 170 depa. + 28.3 Mc. Run the tost program bock to back for 1 Hr. and there were no errors typeout. 3-14.73 Installed a modified Chrise detector alasm HB-21025 with a coming cut off circuit they the carrier is locked on a that came from the slop at STA. 106. ched it out and if worked ok, I.C.L. 3-23-73 Cleaned all air fitlers. Using the new Modified to upper 16K loader program of run the following diagnostics 303001B, 30302B, 303003B, 303004A 303005B 303006B 303007C 3 03008C, 303010 A, 303014 A Interface drognostic pay, and the disterface

Prognostic and every thing ched ale. Ord of the RPL carrier at off cucant in the Corner detector alum #B-21025 and found that the relay MRB 2606 was studing needs to be replace and \$106 shops sending one out, If of 3-30-73 Replaced the bod Corner detector alorn mod. HB-21025 with one from STA. 106 shop, and run the Common test program to che, out the course cut off circuit and every thing ched, out ok. T.C. L. 4-26.73 Run the Comm, lest program and chal RFL levels + freqs. Der run dock to back because gas control said STA. 195 & 197 was intermit, Everything ched, ok. T.C.L. 4-30-73 Pan the Comm. Test program and ched. RFL levels of fregs. also run the back to back test, Everything ched ob. I C. L. 4-27+29.73 Col. forbore equipments 5-23-73

5-4.73 Run the comm. test program and ched the RFI lovel of fregs, also run bock to back test, Ched Mod. + Demos level on the MC-50 ch. 30 + 3 2. Everything cled. ak. A.C. L. 5-7-73 Teletype Substitution. C.C.L. Run the Comm, test program and had the RFL level t freys. also 5-11-73 ren bock to book lest. Chal Mal + Demod. levels on the MC-50 ch.30 6 32. Everything ched. als. Th C. L. Run the comme test program and 5-21-73 ched the RFI louls to frego. also run buk to bock test, chil rol, + Remod Jevel on the MC.50 ch. 30 \$ 32. Everything chelok, Cleaned the connector on the RIL. drowers, TiCH Run the Mamory Worst Case 5-23-73 diagnostic program No. 303010 A for 20 min. Energthing chil ok, Wso resum the Comm. Tod program back to back and everything chad. ale. T.C.L.

5-30-73 Ched all power supply voltage and reset the 3,6 V., 5 V. and 21 V. power supply. Itself the AC voltage into the computer and it aves 113 a5 Valls. ched the voltages from the Line driver, current driver and indiabit driver regulates 8269 and reset R7 output vallage. ched the Memory timing on 8270. ched the voltage on the Threshold regulator 6277 and reset the 12V with PII, it was 12,3 Valle, R6 was ok, Reched the Power fail safe \$296 and everything was ok. IC.L. 6-1-73 Reched all power supply voltages, Old the vallage on the threshill regulator 8272 and reset the 12L with RII. Old + reset the voltages from the Line driver. To Ody. the read t write current from the current drivers, Rin the the Mainten sperieser 303001B, Compare Memory to A" and Memory worst Cose 303014 A and energthing chiefole. TCL.

6-7-73 + 6-8-73 Readgusted all power supply voltages. Ready, valtages on the line driver cords of 269 on both memorys, also ready, vallages on the threshold regulator carde. 8277, Odjusted the read and write arrents on the dual current drivers and No. 8959. But then I was running the memory worst case diagnostic tope 30 3010 A using the upper 16 K loads it would lose a 1 in bit 12 of locates 10732 + 10721. Went using the & K loader everything was ok then running the worst was deagnostice ched and regain bud pens on the back of the cords used for the old + New memory but it still didn't work . Found out by reversing the line driver carda 8269 from both memorys and running the worse case diagnostic tape it would work ak " ched the line driver voltages, real + write currente but nothing had changel, Reversed the cards back to the original way and the worse case diagnostic would not rum, So I reversed the line driver

and fugs, and also suon buck to back. Everything clad. al. A. C.L. 6-26+27-1973 Run the room terys up to see show the computer would run and found out that I would bout out at approx. 80 to 82°. Ched all cord pin widely speed pins out reported urdey spaced ping, Then the compute would go up to approx. 900 before if would bomb out, I. C.L. 7-9+10+11 The control panel reading such as mainline suction pressure, mainline discharge presure and etc. would go to there min value internitting went running the programs tope. Run the following topes ak, 30300 2 B, 303005 B, 303006 B, 30300/B 303014 A, and 303010A, then running the interfore diagnostic tope in the A/D Considerain test the read out would intermittenly go to min. Fould a pin AV in connecter flo on the book of rock IF2 that was not

puch all the way in so I repaired. Then
The A/D teet worked at all the time.
Who run the program tupe to see at
word temp the program would bomt out
and it was at approx, & 8°, Run the
composite bignostic program tops to
abd everything shed ok. A.C. L.

7-19-73 +7-20-23

Hod a problem in the A/D section
of the computer and the computer wouldn't
red out the presses and ite. Foods a
bod transister Q3 2N3503 on cord
43321 Z driver. And also cord. No.
43326 Lafe intermitten trouble which
alon took back to Beative to repuise
Obser installed a transient supposessors
on the Posax and the computeringula,
The dod out 10 times and the
computer didit bount out. But the porax
tidat come on 3 times. I C. L.

7/25/73 The to program would intermitteday bomb out. Pen the memory worst (are tape for approx, 1Hz. and got 2 mistakes, It would loss a one! in bit 14 at different lecations, Chal and repair all give on the cards for both memorys. But this didn't seem to help. Oled voltage a current driver cord 8269 and ready the voltage on 6K 18 for 18.4 rolt which was low. ched the voltages on the threshold regulates card 8277 and everything was ale. Ched the current drives 8959 read + write current and everything looked ale, Resun the memory worst case tages for 14/2 and everytholing this time worked ale I. C.L. On 7-30-73 the parax was removed and the Dolation was hocked lock up, Do I reched the solution valtage and sesset all the power supply valtage in the comparts. Ready. valleys on the line driver cards 8 269 on both memorys also really voltages an

the threshold regulator confo. 8277. Odjusted the read + write currents currents on the dual current drivers curda. No. 8959, Reson the memory worst case diagnostic Tape 3030/0A and everything ched ole, lum the power to the Solatron or Loff 10 times and everything ched ok. TCL. 8/2/73 Run the Pute Modem + Communications test program buch to both and Cheel and reset RFL levels & fregs. It play one hour boch to back with out a eros, 8/3/13 + 8/7/13 + 8/8/13 + 8/9/13 The computer would intermittely bomp out went turning on off the power to the Galater, and sometimes the loads tope and the program tope awould not lood back in the computer. Old oil power supply valtage and line driver voltages and read & write current are ready for if need but have were all aboutwright. This didn't seem to help the problem. On 8/1/13 change out the memory raide

one at a time with spores from Beative but was anable to locate the problem. On 8/8/73 Il fould by replacing card No. 4639 Puta sover the computer would work ak, 8-13-73 + 8-14-73 Worked on the computer looking for the internet problem of the computer bombing out went the power woo tuned on taff, Had no luck. IC, L, Replaced the spore A.D. cord No. 83326 with the one that alor tooks to Bestries 7-20-73 that Ind a intermit problem in it and be required. Oleo the TTY ready didn't work and found a short divide CR3 in the revolve power supply Replaced the look deade and the TTY reader worked ok. Tried turning the computer power on + off approx. 30 times and everythings ched. ok. Tax.

Replaced bad nichel-cadming bottenes 12 Volt in the parabam clock. T. C. L. 8-23-73 Ready. the RPL levels + froge, Installed the Low fey, clock coul No. 6717 in the TTV that was reported d do. 106. T.C.L. 4-30-73 Clemedall via filters in the computer odded some grounding straps to the computer chief the RFL level & levele and everythings was ok, It When through the adig procedures for the RFL Modern and chil Fregs. t level of the RFL. and Dreighling dred who to the Der the Parabom Light clack would go to your mostly goes Juys, and your hours then the AC power then off and then bock on Cleared the relay KI in the

PM 12 = 3-P200 power supply and their the chock would half the wright Horths, Jup, and hours. T.C.R. Sept. 7, 10+11 Calibrated Foobore equipment. T. C. L. Sout. 21, 1973 Rewn the Comm test Program because Gas Control was getting a poor report. The RFL Level of Fregs. all look good, also the MC-50 Mid & Remod level look good. also it played book to back for 1the and no erose. The Sept. 27, 1973 The Parabam clock would intermitly lose the Morally + Pay (go lock to 1 Month + 1 day) went the A.c power would go in + off. Found a leaky transitor Q1 40251 in the Power supply board assay, 34857 and replied. Also found a leaky transister Q7 2N1539 on the Power supply PM12E3-Pace but delid have one so I ordered one from

the shop of so 106 and when I receive it I will replaced the bad transister. A6.2. Oct. 3,1973 Replaced a lealy traveistor an 2N1539 in the power supply PM12E3-P200 and than turned the gover on off several times to che that the month + Ray didn't go both to one would + breeday and everything ched and ok. also run the comme test program and had the RFL levels + Fregs. Olso run boch to book for 45 mins. and everything dard out ole. ad. 4+5, 1973 at 10:00 AM 10/4/23 the compute bomb out when the A.C power was turned on toff. then was unable to look in the bootstage loaler, ched the operation of the enter surely on the control ponel by grounding pin 13 of IC-14 and putting the enter switch up and with the seop on pin 10

down on the stop witch. Everything ched ok, ched the read to write currents from the lower & K current driver card \$ 895 9 and found that the X- read current was only 200 ma. went it should be 360 ma, Was mobile to adj. the wrent. Found the transister Q3, 2 N 3 134 was open and I replaced. Ready, the sime during #8269 voltage and vadjed. He X- revel current to 360 ma. The computer died out of after completery the above. 9 CF Od. 19,1973 Completed the following chis, an the compute. A,-AG, B,+B3, C, + C2 C2 power supply voltages.

Model 222 (-612-5,865 volto) (-1012-9,587 volts) (-16V = -15,061 rolt.) +40V = +33,450 rolt) (+16V = +17,381 votts) (+35V = +33,176 rolt (+21 2+21,06 volts)

Molel 223 (compacts main frame) 3,6 volt = 3,596 volts Model 221 3.6 volt = 3,606 volts 5 Volt 2 4.961 volte Model 223 (For night interface rock) 3.6 volt = 3.600 volt C3, C4 (A-accumulater > 105) cs, Dy, DG, D.C. L. Ot, 24, 1973 Completed the following chas in the Computer, P, P2, P3, P5, D7. 4. C. L. Computer A-C input voltage 117.5 KA.C. Nov. 2, 1973 Received a new program tape dated 10/25/73 but one was damaged in slegging to I made a new tape with the spore, tooded in the new days into the computer and shed it out in locate control and everything seem to che out ok. Relooded in the old tage Dalah 7/3/73. O.C.L.

Nov. 5 1973 Foodel in new program tape dated 10/25/73 and ched with Chicago and everything shed oh. T.C. J. Nov. 1, 1973 Run the Comm. Test program + dul the RFL level of frags, rum no errors, D. C. J. Novi26,1973 Run the Comm. Test program + chal the RIL level of freys, Rum books to book for 142, and there were no errors. The comparter bombed the night of 11/23/23 so I rem the following type, Memory worst case, Compare memory to A Memory test + the PWR First-outer result and everything worked ok. To Col. Olso cleaned all air filters in the compile,

Dec. 5, 1973 On 12-4-1973 the operator was unable to reprogramm the computer. I found that when looding in the looder tages it wouldn't stop a the end but would go all the way throught the reider. also the teletype wolor wasn't running Reglaced a 21/4 K SLO-BLO fuse part No. 165734 and other everything world on. Ren the Memory worst case tope 303010A tope and everything ched out ale. Dec, 18,1973 Rua the Comm. test programs and dred the RTL Develo + Groups, Ren lock to both for 1/2/1 rs, with no errors, Everything look ak. A.C.L. The corrier from Chingo was 1696 cys, Dec. 19, 1973 Cleaned all the comparter + interforce air filters. Installed grn. wire to the 2RI, 2R3 sheeles and also between the

middle interfore rock and the maintagement rock. 142. per. 19, 1973 The computer bombed about 3 p. 14. and I was unable to loud is the loader tage, By leaving the ceres to the memorys off and the main frame door open the computer would run of. The problem was intermitt. (work overline /2Hrs.) to C, L, Dec. 20, 1973 Worked on the proflem above but the computer worked are all day witill about 2:15 PM, and then I was very intermitter: and was imple to find any thry setting, IC. L. (4H2s.) Per. 21, 1973 Worked on the problem above. When the upper 16K memory cover plate was off and that mainframe door open the memory vouse case tops worked ale, But when the cover was on and the door closed

after approx. 15 to 20 min the memory would bomb out. Was unable to find the problem so I left the cover off onl the door open. (101/262. T.C.J. Worked on the alone perblem. Rusa the room Temperature to 880 F before the memory worse case tape would bomb out, Never did get the compate to lond out at normal temperature, GHan. T.C. L. 12-27-73 Ready, the computer moderns from 2000 Bile-per- second to 1667 Bile-Sper- second. Played lack to book for 1'2H is with ord a error, (4 Ars.) T.C.L. The conjecter bornles out Itimes because of A-C failed but was unable to find any thing wrong I was enable to get the computer to bonds out. T.C.L. (4Hz)

1-2-74 Worked as a intermetter bomb out problem but was unable to get the computer to bomb out. Run the composite diagnostic program tope without any errors, (5Hrs) T.C.L. also run de room lengpenter, up to 86° without a bount out. 1-4-74 Run the Comm, test program & ched the AF & levels + fregs. Run book to bock for 1'2 Hrs. without a erros. Chicago did say that on 1-2-74 + 1-3-74 the compacter didn't negert every good. T.C. D. (4Hz.) 1-9-74 Kun the Comme text program + chef the 1RF L levels + frags, Run buch to book for 11/2/12. willow a error. Oned all our filter. St. C.P. (5Hzs.)

-15-74 Replaced 2 bod for motors one in the middle interfree rock model No. 80-004 and the other one in the 3.6 V power supply in the West noch the for model No. 4500 TO C. J. 3Hrs. 1-21-74 The programmed bombed on the 1-18-74, 1-19-74 so I runa the following diagnostic tapes to see if I could find any thing wrong. memory worst use 303010A, Load stire 1 Reg bod. 303005B Instr Summer + Comp. 30 300 2B Mainfrome Exercise 303001 B, and le Interpose - May. Verify led 303014 and everything dred out ale. Q.C.L. (41125.) Replaced a bad for motor on the model No. 222 power supply. adj. the 21 West pot. Readjed the power fail sufe cord. \$296 at lastin 96. 41hrs.

1-31-74 Del De following routine mont, A3, A4, A5, A6, B1, B3, AC. L. (4 Hrs.) 2-27-74 Rid the following routine moint, A, A2, A3, A4, A5, A6. also was teletype was making a little noise so I oil pune point around the motor did it sounded much better, (5H2s) 3-6-74 Gos Control reported that the compute didn't report lock 18 times Iled night. Oled the RFL Junes on levels and everything bock for 45 min, without a mistake Reset ch. 30 mod, any, leals and ch. 26 demodrang, leade. 3-20-74 Revised the RFL Modern odj, procedure as to the Murch 15, 1974 letter changing the

fit per second from 1667 BPS to 1200 BPS. ched the RFL lands + freys and play book to buck for 45 min without a error, Ched with for Jepson at Chicago and everything chief out ale. T.C. F. (4HHz.) 3-22-74 Did the following maint on the computer. Az, A3, A4, A5, A6, B. C. L.(2/120) ched the computer RFL fregs. + levels and run bock to lock 1 Mr willows a error. Ched with Ron Tepson at Chicago to see how I was reporting & everthing seem to be ok. OT. C.L. (1/2 Hrs.) 4-11-74 Rid the following Semi-Annually rootine mains, on the computer. A 2, A3, A4, 45, A6, B, B3, C2, C3, C4-A-vecum 105, C5, Power Supply voltages

4-11-74 Model 222 +16V= 17,375 V, -64= -5.870 U. -1003 - 9.580 V. +35V= 33, 154V. +2/V2 21,000 V -1612 -15,295 Vi +40V2 33, 170 V. Model, 223 3,6 Volla = 3,620 Volla Model. 221 3.6V= 3.6 Vote 5V. 2 5.013 Valls, Model 223 (For night interfole rock,)
3,6 Valt = 3,620 Valts,
6Hz, T.C.L. 4-15+16+17 - 74 Cal. Forbore equipment. G.C.L. 4-19-74 When though the photodiode amplifier adjustments are the ligh exact reader using the neutral density fills. D. L. 2. Hz,

5-7-74 pid the following monthly maint.
on the computer. Az, A3, A4, A+, A6 T.C.F. (1H2) 5-17-74 the computer bombed out 3 times beliven 5-16.74 + 517-74 so I running the following deaphostic laps 303001B 303002B 303003B 303004B 303005 B, 30300 GB, 3030070 3030086 and 303010 A without a error. Also ched the two, fiil and restort circuit and it worked ak. 6th To C.S. 5-19-74 The competer brombed two traves so 5-14-14 and two times on 5-19-74. When I got her Durday bigld the computer displays reading were all reading wrong. But when I reprogrammed everything was ut, Russon the following diagnostic lope 303010A Interfore disgnostice DCS#1 and everything was ob. Text.

5-20-74 The computer bond out al about 9:30 A.M. Reset 3, 6 + 5,0 Vall power supplied. Ready the memory voltages + read I will currents in booth memory. Readjed. the power ful ciscinto. Run the memory worst case tapl and run the temperature up to 840 without a error. lun the power on + off approx. 10 times and that computer londe out I time. hum the power on of the the computer several times without a bomb out, Reclard the 3,6 V + 5.0 valt power supplies. Found that the 5.0 Yalt power supply CD-7 on the vilet wire which is the 5.0 Val wire, Rundho composite diagnostic programs tope without a seror. I.C.f. (642)

6-6-74

Pid the following monthly maint.

on the computer A2, A3, A4, A5+A0.

(1H2) DGL. 6-21.74 De conjuter missed reporting the night before : Ched the RFL level + frys, and also ched the Mod, + Demol level on the MC-50 multiplex but everything ded at. Ron the commo test bock to back for 1 Hr without a error. GCX. 1/2/1/2 Ord the RFL levels of fogs because books all the time, Everything look ols. Had Ron Jepson at Chicago take a look at les Control to see how sto. 195 was reporting book. It would reporting book as good as the other stations so I made a small ody in the bios of bolonce adjustments. A.C.L. 3H xx (6-28-74 Chef the RFL levels & fregs. because Chiengo said the computer would reporting bock all the time, Realy, the biss + balance on the FS Receiver HB-21045 and run boch to boch willost a error for 45 ming, (24rs) Rechef the RFL levels + freys persuse Cherago said the compute was reporting buch show on the reasons, Everything Ind out of. also dred the operation of the schmill trigger and it was working to, ACL. 7-3-74 Rocked the RF (Dowl of freys because things said the compiler was reporting back slow or the readult Everything died out oh. Ready R7 on the Freq. Clock Courd in shot 12 A in Rm Jepon in Chingo said the readouts makene covering in real good. TC, Le (24/191)

7-5-74 The computer report love to chirogo the night before approx 37%. Rechel the RFL levels + freque and everything ched out de, Ready le low fixe dools cord. Rr at love. 12 -A. Ched with Ron Jepson in Chicago to see the rend outs where working. To C.L. (21/2) 7-9-74 Russ the composite diagnostic program tope without an error But was unable to complete vening the tape borouse of the lack of time. (Note) The tape hot several sholes (5 Hrs. TCS.) with dirt in the loles and the tope would stop on me and I would have to stud over Run the composite diagnostic program lass without an error. Replace the RFL modules with spore from Beatrice and run the comm. text program. (6the TCL)

7-23-74 Report all the RFL modules with to 195 modeles, raplaining the spore RFL modules from sta. 106, Run the com, test program and set all fegs. + level. fun back to back for 30 mins, without a error. Reprogrammed with the sta program large and there were very few interrupts. Ched with Ron Jepson in Chirogo and le soid the computer were reporting very good. A.C.A. (34ho) Also replaced the I/O sayre and Na 87/2 + the Galog C. D. cord NC. 8705 in location Rin the Inst Simu + Comps test program with 98 successful cycles without a error. T.C. L. (142) 7-30-74 Clayed around the two Privates Interrupt cardo, No 8242 it obsertion IRI 2A+2B.

7-30-74 Rem the come test program and reched, the RFL oquipment Played book to book for 45 min, without a error. Ched with chicago to see how the compate was regoring but the moster computer word working. T. (2410.) Pur the Pur, Fail-outo restant pape and ched out the gur. Soil circuit out everything ched and or, Rin the Int. Sime, + comp, ted program and I had a few errors, Found two pins on cond. 8500 at location E-5, that whose spice aport and repaired. Replaced The following cords at location 2R1, 25A, 13A, 10A, and runa the compon. Test program to the RFL. Chal the comm. between 590.195 + Chicago - (7 Ara) ES. 8-9-74 Run the composite diagnostic program tage without an error. Replaced the micro suntch on the high speed reader T. C. L. (4 hr). 8-14-71 fiel the following onmual moint, on the computer C2, + C4 Model 221 Ripile Model 222 Ryple 3.60 = 3.60 - 6.3 mv -6 = -5, 8692 - 19 mv. 5.00 = 5.00 - 11.2mx, -10 : -9.594 - 7.4mv. -16 = -15.190 - 36 mv. Model 223 +40 = +32,981 - 2,8mv. 3.6 - 3,602 - 1.45 m v. +162 17,40 - 1,6 mV +35 = 33,178 -3.2 nr Model 223 (For night) +21 = 21.00 -,59 mv. 3,6 V = 3,6 V. - .64 mv. 7. T.C. L. (6H2.) 6-19-74 Reched all convert driver voltages and all read & write currents. Ched the memory Timing on cords \$270 and ready the No. 2

money from 460 nonoseconds to 520 nonoseconds. Rown the memory worst cush program 303010 A for 11/2 Hrs. without on error. T.C.L. (4Hrs) 4-21-71 Ched + readjusted the photoclivele amplifier in the High speed renderwany the neutral density filty method, Replaced a bed in 8 photoshirte CR9. TCL. (3H2.) 6-22-74 pil the following annual routine moint on the computer.

Ai - Ao, B. D2

Reched the line drives voltages the seed t write currents of both memory. also reclied the memory tening on the 6270 cards. Run the memory worse case tage without an error. It C. L. (5 1/26)

2-23-74 The computer was going into a I/u hold with a A-c your faling and somethings it would bomp out. Reched. Ile line driver voltages + read of with currents. Try the spare line drives could t the spore current dring cord but it glidn't seem to work any belter, Read the read & unte arrento lo approx. 380 MA, and everything chil oh, Run llo memory were come lope for 1the without an several times without or error. ICA. (Wa) 8-26-74 Did the following annual routine maind, on the computer.

B2, C5, P, D4, D5, D6. AC. L. (4112). 4-27-711 Aid the following a somuel routine mains on the computer. C3, (5 (5)) also ched the rood twite current in both memorys.

8-28-M Run the 31/2 1/2. composite diagnostic program tape without an error (tich. 3/24) Col. Forbore equipment. (6Hrs.) 8-29.74
Cal. Forbfore equipment (3Hrs.) & C.L. 8-30-14
Cal. Foplore equipment (5 Hrs.) T (L. 4-4-74 Cal. Forbore equipment. (34rs.) G.C.L. 9-5-74 Cal. Forbore esquipment. (4Hrs.) T. C.S. brief to improve the shape of the write t read pulses of menony # 1 by exchanging the memory could of memory # I with the spore cards from stor. 10% No. improvement 5 Hrs. (2021)

9-18-74 Some as 9-17-74 also the conjuter was intermittly going into a I to hold & sometimes into a healt went the power was tuned on tolf (642) &CL Enteringed carda No. 8242 al locatione 6A+2B and the problem with the computer intermittly going into a I/O hold + something into a halt went to power was turned on t back the way they were and still the problem was gone, Uso declared 02 that all outputs from the injects to the ocs are operationed, (6 1/2,) 9.36 World on the above problem but was unable to find anything wrong. (4 Hrs.) I CK 9.27-71 there was noise or the computer In 30 and I found that could No. 8712 at localing 2RI 20 A was causing the grothern.

Dea the char, Mod and MU40B-2 in the ch. 30 mod ang, was making a bad connection in the connecter. also chef the RFL bulls and level and gigh. the BE Osc, 2 H2, & the comic 2H2. (GHrs) WC.P. 9-30+74, 10-(1+2+3+4)-74 The compater world intermittenly go into a I/o hold when the power was tuened on toff. also the memory worse cose tope world not run willouf a error, Replaced a lad data sover cond No. 8639 ont a bod wa sense amp. card. 8962 both on the upper &K off menoy. also replaced a bid transistor a. 2N 3772 in the upper & K off menony. 28Hm LCR 10-8-74 Run the memory worse case topse for 2Hrs without an error. burnef lle power on + off 40 times without on enor or I/O hold. 4ths. The L

10-9-71 Run the composite diagnostic program tope without on error. (441, PLCX, 10-17-49 all the following monthly manil. A2-A6. TCR. 13/2. Olso run the manon worse cost legel for 2 Urs. willost on error. And the watch day reday, 3H/ns. LCZ, Put the fllowing reprined cords from the shop at stre. 106 book in the computer. 4712 of loc. 2R1-2A, 8639 at loc. H-20 of memory #2, and 6962 at lac. K. 6 of melony # 2. burned the power on + off 15 times without on arrow Rim the memory worst case Tape No. 303010A for 142 without un enor. ICL, (4Hrs.)

11-12-74 The computer went into a I/o hold on 11-11-74 + 11-12-74 will a A-C power fulure. Reset the line cherry voltages for bill menroys. Turned the A-c power on + off 10 times willow on I/o hold, 2/12) 11-18-74 Did the following month maintanance on the computer. A, -A6. Pun the memory worst case tapl 303010 A but I would get errors every 15 or 20 ming when the computer cabinet deers where close, When the doors where open I wouldn't get any errors. Unable to find the problem so I left the doors open . TGL. (4th.) 11-20-74 Run the uput logic dosed low diagnostic program + ched all ingut & outpit reloys, Everything And who, Ched oil the world I should aren't and everything was at. ac. I.

12-11-711 Did the following routine maint or the computer. Az-Aa B1-B2 Oil the teletype motor and adj. the tension so that the motor wasn't so wise. Ind out the ch. 45 Bit 15 + ch. 46 Bit 15 out from the computer of to the termand Box, 12-27-14 The computer read outs were not operating right Found a load RTL-MTY/DIV control 4 cord No. 6286 of low, 13B in the mainfrome out replaced it with a spore could form In 106. 3Hrs. I C.L. Run the composite disquostre program tupe without an error. 3'2Has. The CL

-13-75 Replaced a regimes compute conf flood was repaired at the shop of sta 106. Cord Na 6203 of loc. 226. program lope without an error. 3/2/2, 9.C.L 1-15-75 The Solatron power for the computer was moved + I ched + sesset the ortput vallage going to the conspile. 1-16-73 Rid the following monthly computer maral. A2 - A6. Replaced the following ports in the teletype, the molor intermedials year motor pinion, because the years where making excessive noise. It C. L. 4Hrs.

1-27-75 Replaced a repaired cord. No. 8286 at loc. 13B in the computer. The card was report at sta. 106 shop. Run the following test topes without an error. Multiply test, Divide test, Menory Word case tope and the composite diagnostic peopon topo (TCS. 4Hrs.) 2-10-75 Pid the following routine maint, on the computer As-Ac, \$ + B2. 2-19-15 Rid the following routine maint on the Computer C2 C1, C5, Power sugply voltages Repla Model 222 Riple | Model 221 2,2 mr. -6= -5,860 2mv, 3.6= 3.582 5.0 = 5.008 3.4 m L. -10= -9,630 2,5 mv. 340m v. Model 223 -162 -14,840 , 9 mg v. 2,9 V. 3,6= 3.596 +40= 32.927 Model 223 (Far rigid) 1162 1.7mz. 17,357 3,3 mv. 33.120 +35 2 3. 6 V = 3. 6 . 68 mh 5.5 m 1 21,000 +212

2.19-15 Aler replace C3,003 upl cop, on the outo start relay 82240. 4 Hrs. 2.27.75 down, lubricated and check the operation of the teletypewriter. 4Hm TCS. 2.28.75 The computer bombel at 8:30 AM. Run De memory worse case lope for 20 min without a error. Of (. L. 1/2 Hz, Cad. the Foxbore presoure controller and Unit 1 + 2 surge value controller. 3-11-25 Cal. De Forbrel egypnert & C.L. 442. Pid the following smoothly routines maint of the computer As - A to T. C.L. 2 Hrs.

4-4-75 Modified the room temperature the most of and cal. Added some grounding strops to the computer interface. 4 Kms. The 4-775

pd the following monthly routine
mond on the computer Ar- 46 TCF, 3Hz,
also ded the col. of the room tempoliture
thermables for rm, temp along & shellown. pid the following awarterly routine mont, on the compute A2-Au, B1+B2 9 CX 2H2. Replaced a lood from motor in the middle interface rock, T.C. J. 3. H2s. 5-20.15 Recal. the room temperature thermostof for a room Tempes of 80° F. J. C. L. I Hr.

5-23.75 ched the power cord to the computer to see if I was worm or would get a Ac failure when woord. Everything dud out who. A-C. A "&Hr. 6-20-45 Ad the monthly roution mount of the computer 2Hz. T.C.L 7-14-75 the computer bombed out because of a A-c power interruption the night before. Turned the power on off Pour Fail - duto restort tope + ched the A - occumulator (It lad 102). Ru the Memory Word Core Tope for 45 min withofon error, J.C.L. (2 Hrs.) 7-23-75 Monthly routine mant of the computes A2 - A6. Ck. the Cal. of the rooms Temp. Thermostor. T. C.L. (4Hhz)

8-8-75 8-8-75

Pid the following annually vortine

maid on the computer A2-A6, B, & B2, C2, C5, P5 Power supply voltages alel 222 Ripple | Model 221 Rigplel Model 222 2,0 mu, -6 Volts 2 5,86 2mv. 3.6 Volly = 3.60 2,95 hV, -10 Valts 2 9.61 2.6mv 5.0Volts = 5.03 345 m L. Model 223 -16 Valls 2 14.85 Ryple 2.9 V. 3.6 = 3.602 ,42 mr. +40 Valts 2 32,97 Mode 223 (Far right) +16 Valls: 17,35 1.65 mv. 35 Valts: 33.08 3,3 mv, 3 6 Valto 2 3,595 - 2,5 m x Wells ECA 21 Valle = 21,00 ,5244, 8-11.75 Ped the following annually vorting mains on the computer. C3, # TC. J. 4Hrs. Did the following annually routine maint. on the computer. 24, P1, P2, D3, D4, D7 642. T.J.

9-25-75 Did the following monthly routine maint of the computer. A. -AG. GC.S. 3Hz. 10-10-75 Pid the following monthly routine moint. of the computer A1-A6 TCJ. SHz. 11-21-75 Rid the following starting awarterly routine maind, of the computer A2-A6, B, + B2. 12-17-15 1-17.75
Had a bomb out on the neight of 12-16-75.
Run the composite diagnostic program type
to the out the computer, Everything chel out oh. The C. L. 4Hrs. 12-19.75 Rid the following monthly Noutrie main! of the computer. A.-Ho I C. L. 21/2, 1-30.76 Ped the following monthly routine maint of the computer A1-A6 Th (L. 2Hz.) Olev replaced a lod muffin for at the battom Fact compace of the upper & K memory rack.

2-13-76 Did the following quarterly routine moint of the computer. A2-A6, B, + B2 TCL 4H2, 2-27-76 Reprogrammed the computer with a new programme tape dated 2-12.76 ac. J. 3-12-74 at 5: 44 PM the day before there was a A. C power failure and the computer failed to go but into pende mode. On the power fail - and realor corrents very the dale control sto. test tage. Was timed the gower on t off to the solution 10 time without the problem, Everything that out or, 2 hrs. TCL 3-29-76 Did the following monthly routine maint of the computer A1-A6 TC P. 2 Hz, 4.15.76 Rid the following monthly voulie moint. of the compate A. A. TCZ 2the,

4-28-76 Reprogrammed the computer with a naew program type dated 4-22-76 TCL. 4/4, 5-2-76 Replaced the Rivon modern with a modified one from the shop at STA. 106. Pil the following quarterly route marily the computer - AI-AC, BI+BZ. TCL. 6-11-76 The To of transmilley from the company let chicago now low the Just 2023 nights. tound a bad rison orrogen cord and replaced it with one from the shop al sh 106, Run a text with the slop of shall for 1'21/2 and everything look good, ICA, 21/2 Hos.

10-26-81 Replaced a bod Model 221 3.615 Valt power supply. Gol a replacement from 106. Reget 3.6 65 Valt pole. Tracy Lish